

WE CLAIM:

1. A kerosene composition comprising at least 99 wt% of
a) at least one n-paraffins and/or iso-paraffins, said n-paraffins and/or iso-paraffins having from 7 to 18 carbon atoms and b) at least one cyclo-paraffins and/or alkyl derivatives thereof having from 9 to 18 carbon atoms.
2. The kerosene composition of claim 1 wherein at least 99 wt% of said n-paraffins and/or iso-paraffins have from 7 to 12 carbon atoms.
3. The kerosene composition of claim 1 wherein at least 99 wt% of said cyclo-paraffins have from 9 to 12 carbon atoms.
4. The kerosene composition of claim 1 wherein the ratio by weight of the n-paraffins and/or iso-paraffins to the cyclo-paraffins and/or alkyl derivatives thereof is from 92:8 to 25:75.
5. The kerosene composition of claim 4 wherein said ratio is from 85:15 to 55:45.
6. The kerosene composition of claim 1 having a smoke point of at least 30 mm.
7. The kerosene composition of claim 1 wherein the component a) is selected from the group consisting of n-heptane, iso-heptane, n-octane, iso-octane, n-nonane, iso-nonane, n-decane, iso-decane, n-undecane, iso-undecane, n-dodecane, iso-dodecane, 2-methylheptane, 2,2-dimethylhexane, 2-methyloctane, 2,2-dimethylheptane, 2-methylnonane, 2,2-dimethyloctane, 2-methyldecane, 2,2-dimethylnonane, and mixtures thereof.
8. The kerosene composition of claim 1 wherein component b) is selected from the group consisting of n-butyl-cyclopentane, n-pentyl-cyclopentane, n-hexyl-cyclopentane, isopropyl-cyclohexane, n-butyl-cyclohexane, n-pentyl-cyclohexane, n-hexyl-cyclohexane, cis-decahydronaphthalene, trans-decahydronaphthalene,

1-methyl-(trans-decahydronaphthalene),
9-ethyl-(cis-decahydronaphthalene), and mixtures thereof.

9. The kerosene composition of claim 8 wherein the component b) is selected from cis- and trans-decahydronaphthalene and mixtures thereof.

10. The kerosene composition of claim 1 wherein the n-paraffins and iso-paraffins have been obtained by means of Fischer-Tropsch synthesis.

11. The kerosene composition of claim 4 wherein the n-paraffins and iso-paraffins have been obtained by means of Fischer-Tropsch synthesis.

12. The kerosene composition of claim 6 wherein the n-paraffins and iso-paraffins have been obtained by means of Fischer-Tropsch synthesis.

13. The kerosene composition of claim 4 having a smoke point of at least 30 mm.

14. The kerosene composition of claim 5 having a smoke point of at least 30 mm.

13. The kerosene composition of claim 7 having a smoke point of at least 30 mm.

14. The kerosene composition of claim 8 having a smoke point of at least 30 mm.

Rule
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